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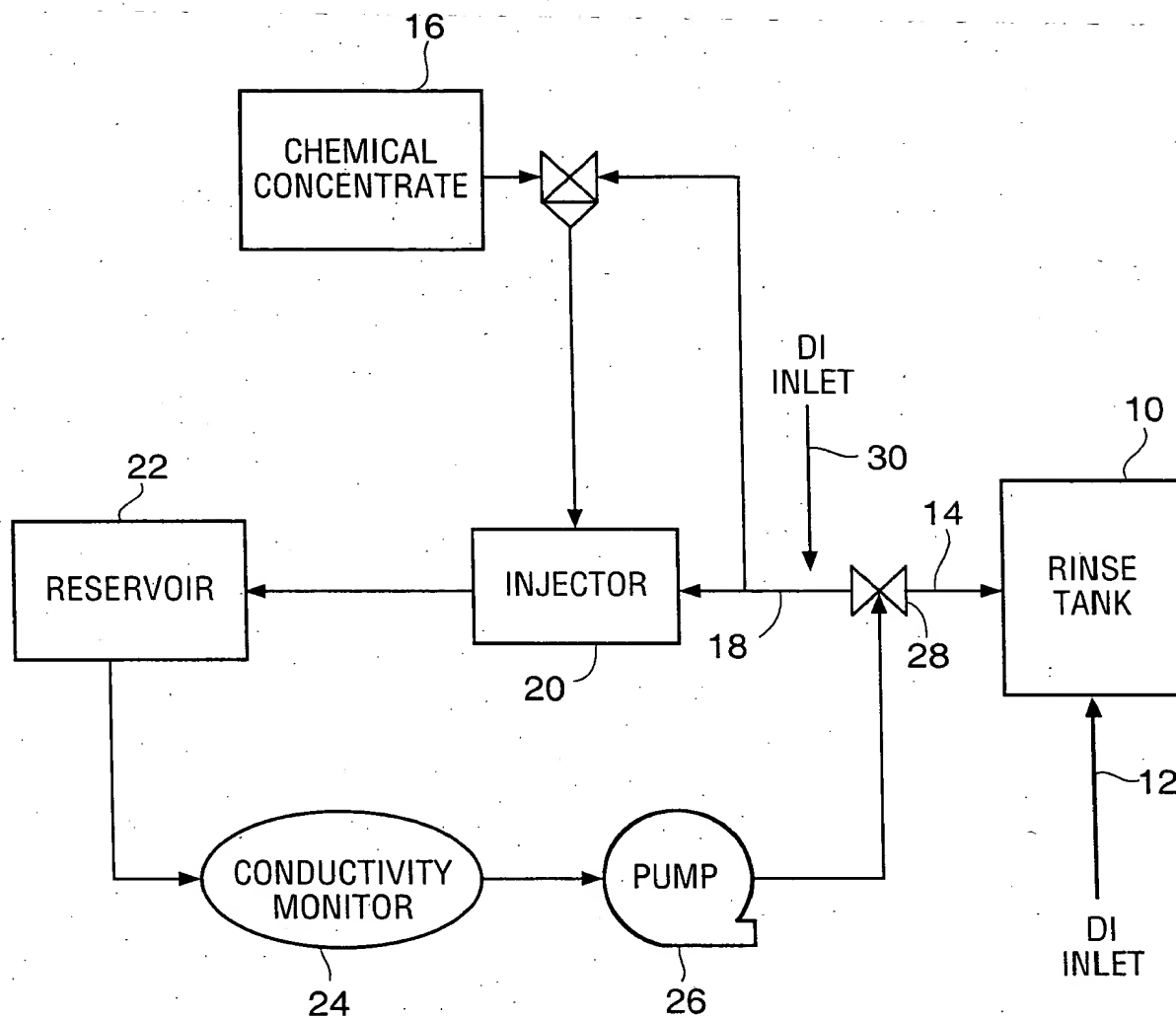


FIG. 1

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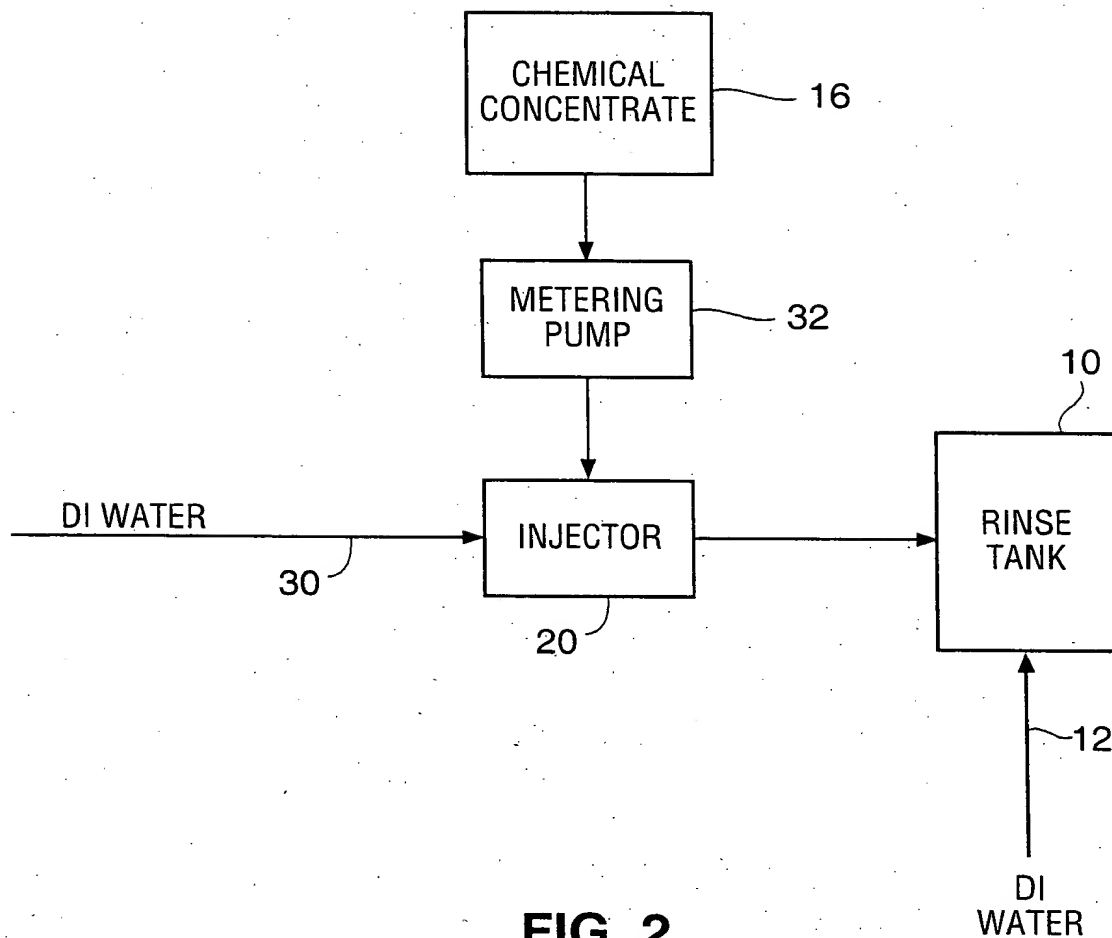
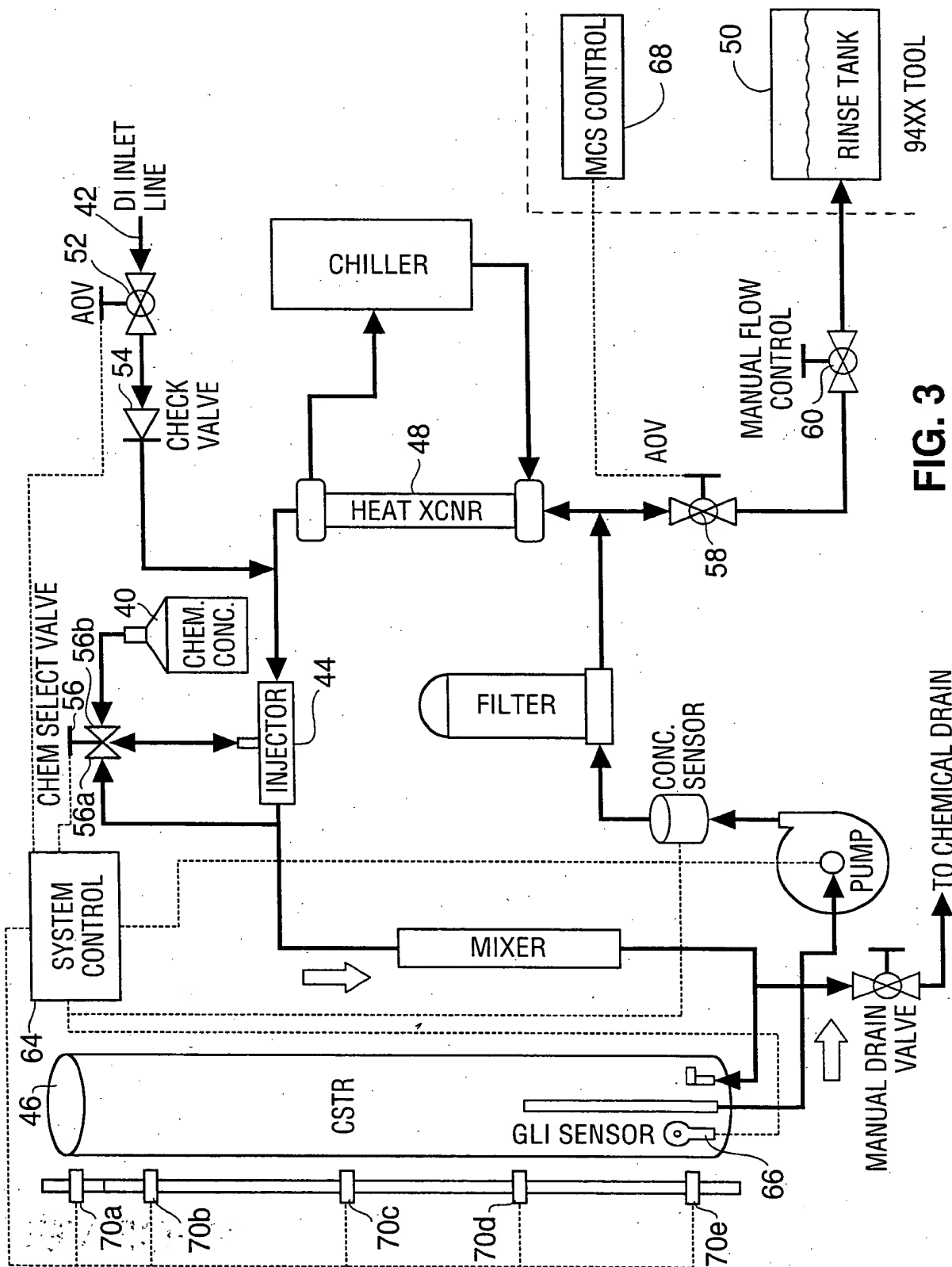
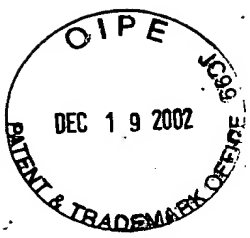


FIG. 2

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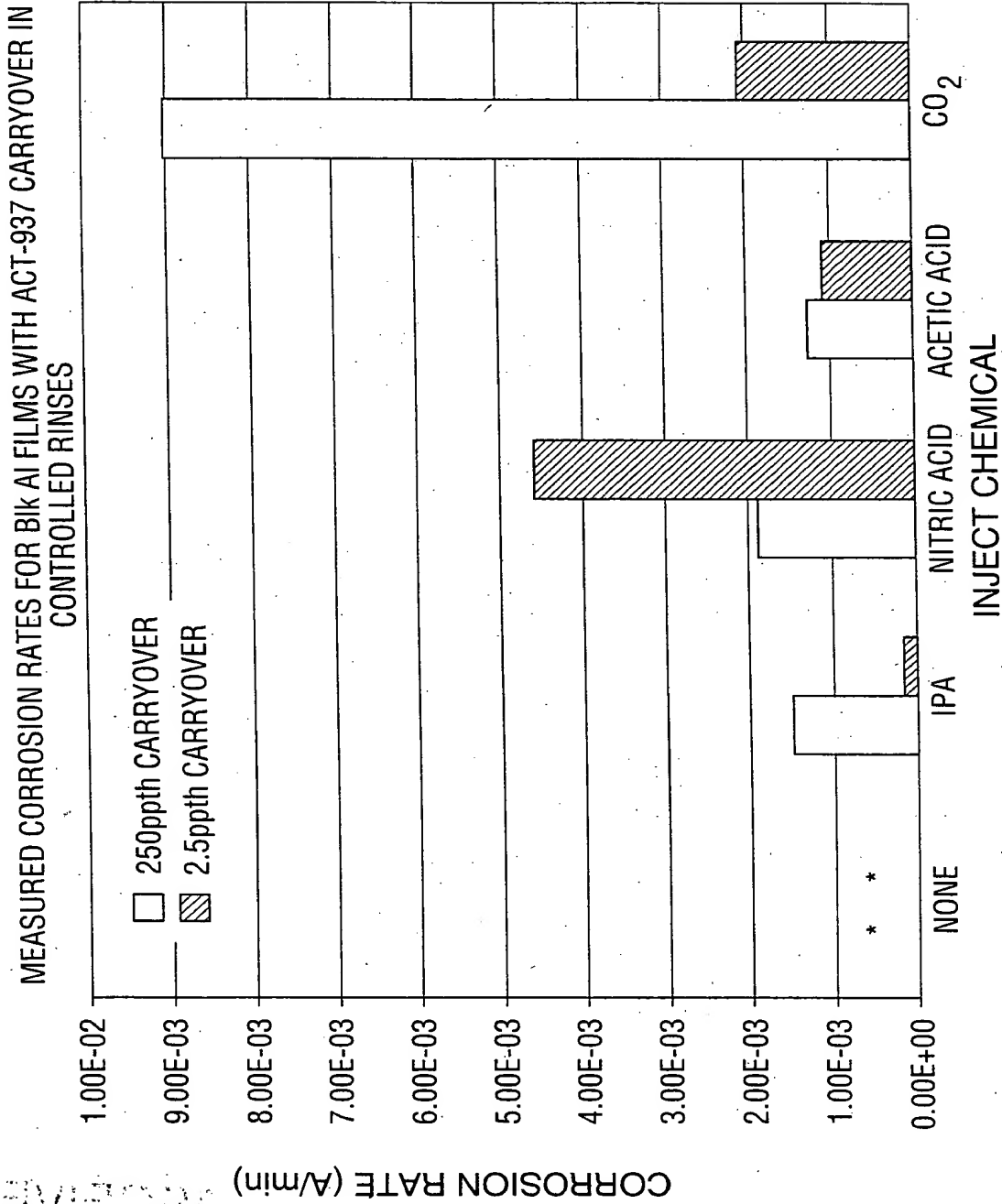
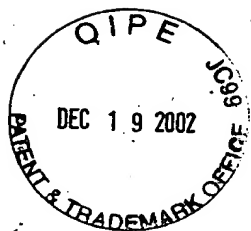


FIG. 4

*THE ALUMINUM CORRODED ALL THE WAY THROUGH



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MEASURED CORROSION RATES FOR BIK TIN FILMS WITH ACT-937 CARRYOVER IN
CONTROLLED RINSES

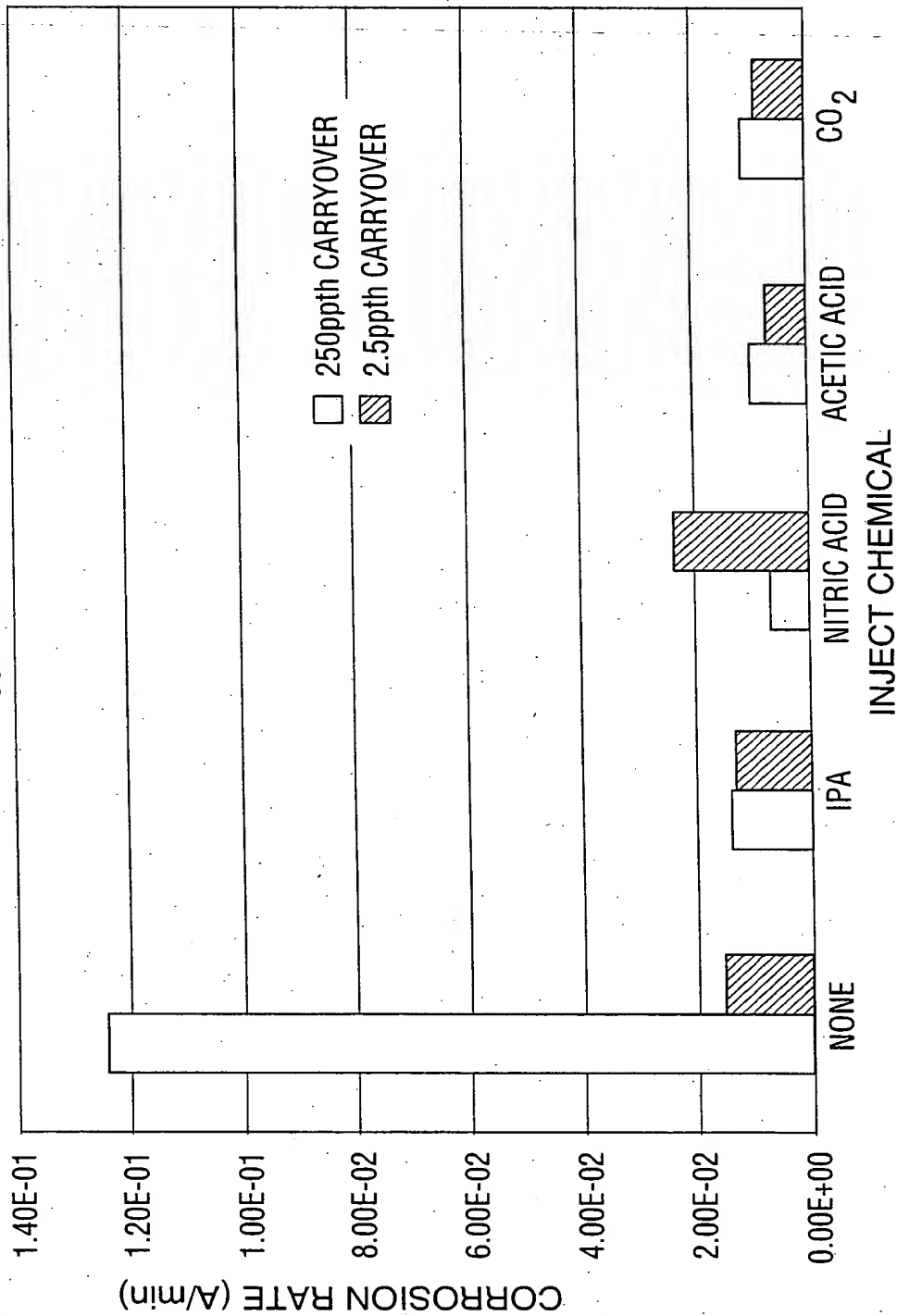
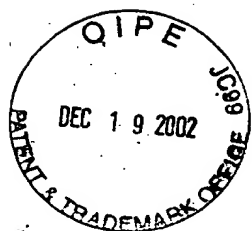


FIG. 5



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MEASURED CORROSION RATES FOR BIK CU FILMS WITH ACT-970 CARRYOVER IN
CONTROLLED RINSES

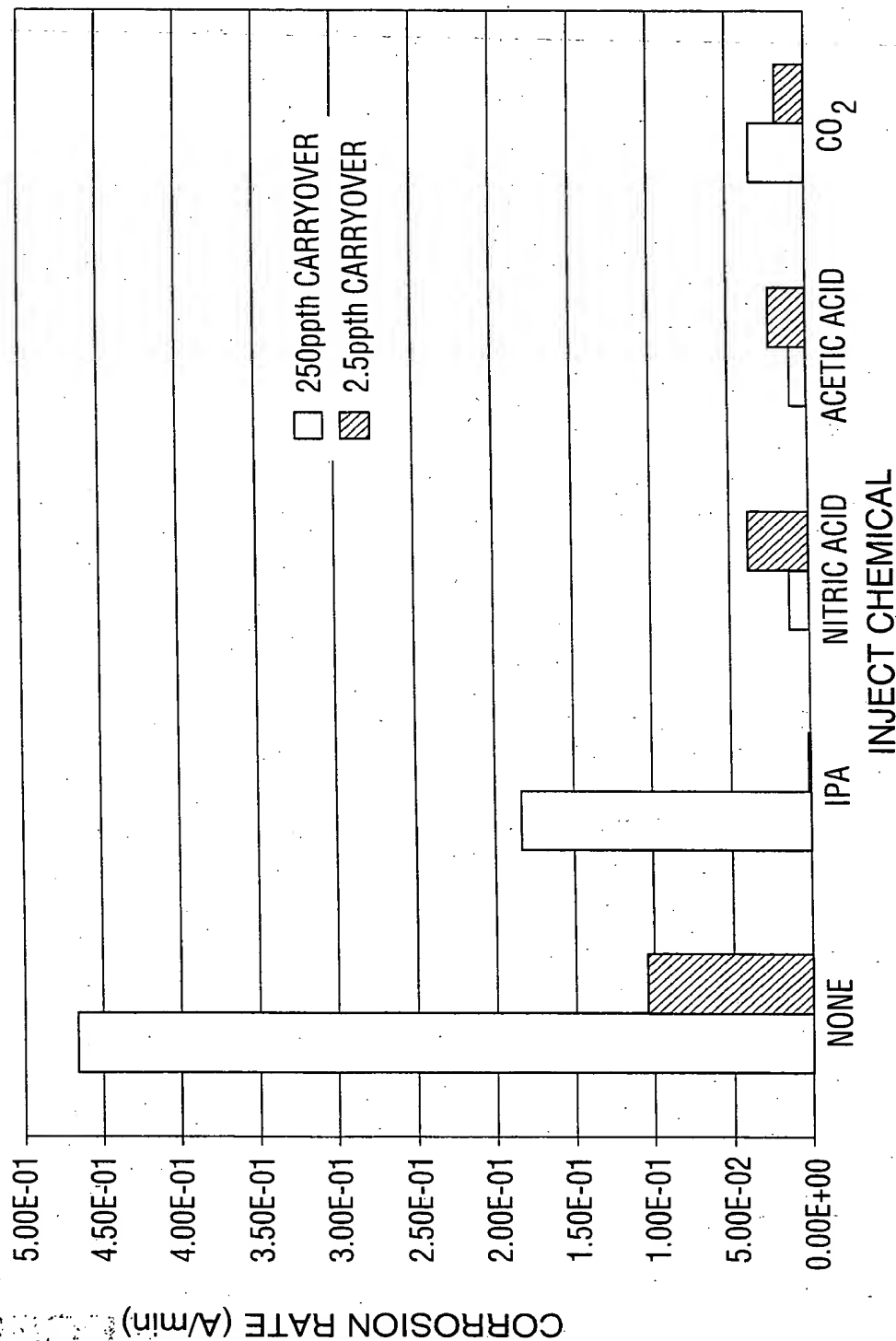
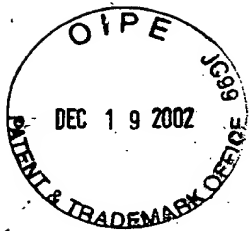


FIG. 6



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CHEMICAL INJECT PROCESS CONTROL FOR AN OVERFLOW RINSE TANK (3 DIFFERENT SETPOINTS)
NOTE: INITIAL CONCENTRATION OF HNO_3 WAS 70wt%, TANK CONCENTRATIONS
WERE CALCULATED USING ACID/BASE TITRATIONS

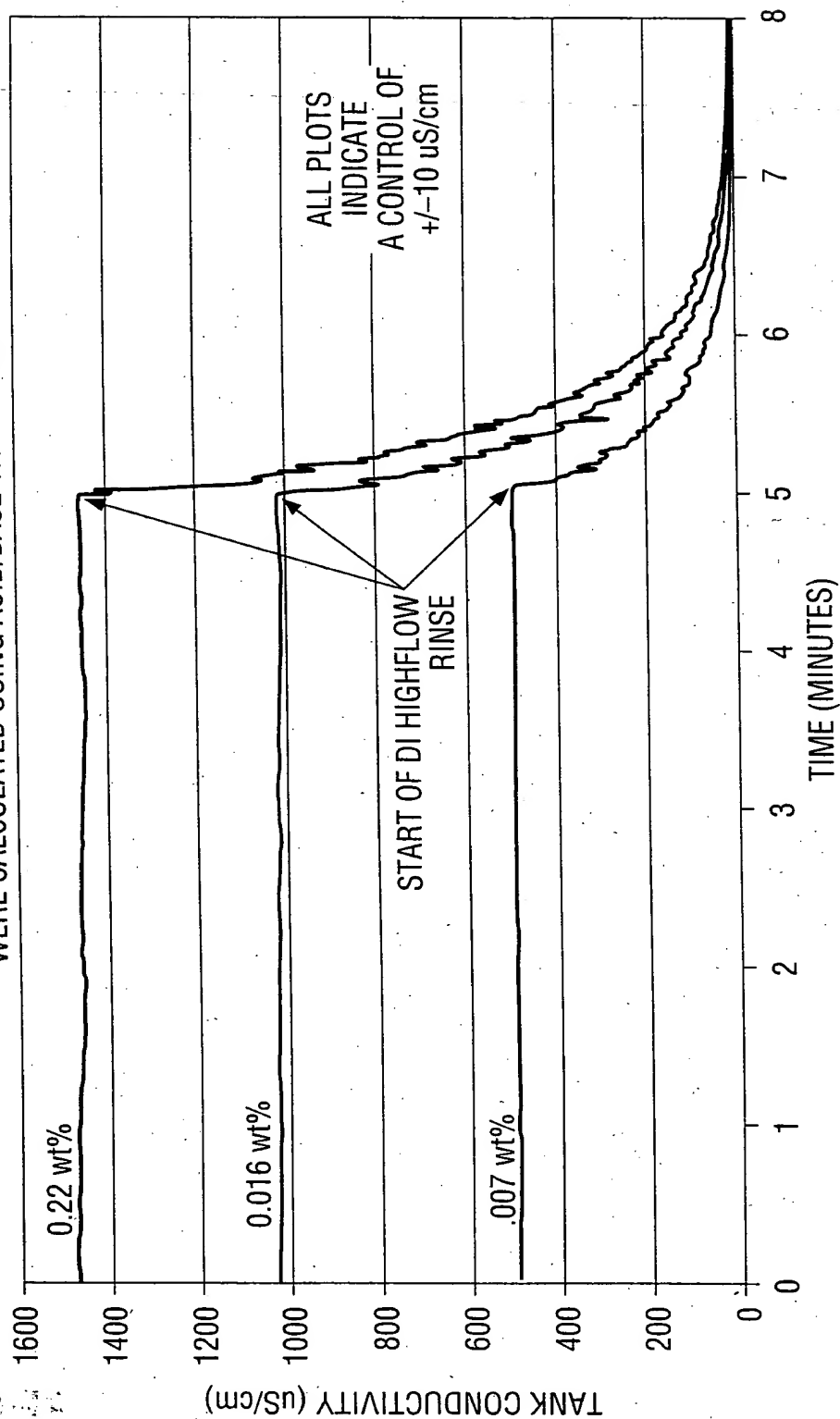
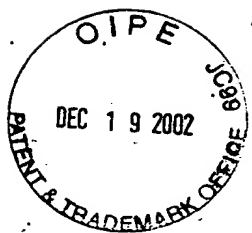


FIG. 7



Al CORROSION IN POST-ACT 937 RINSE SHOWING EFFECT OF RINSE TREATMENT
(FILM LOSS AS MEASURED BY 4-POINT PROBE)

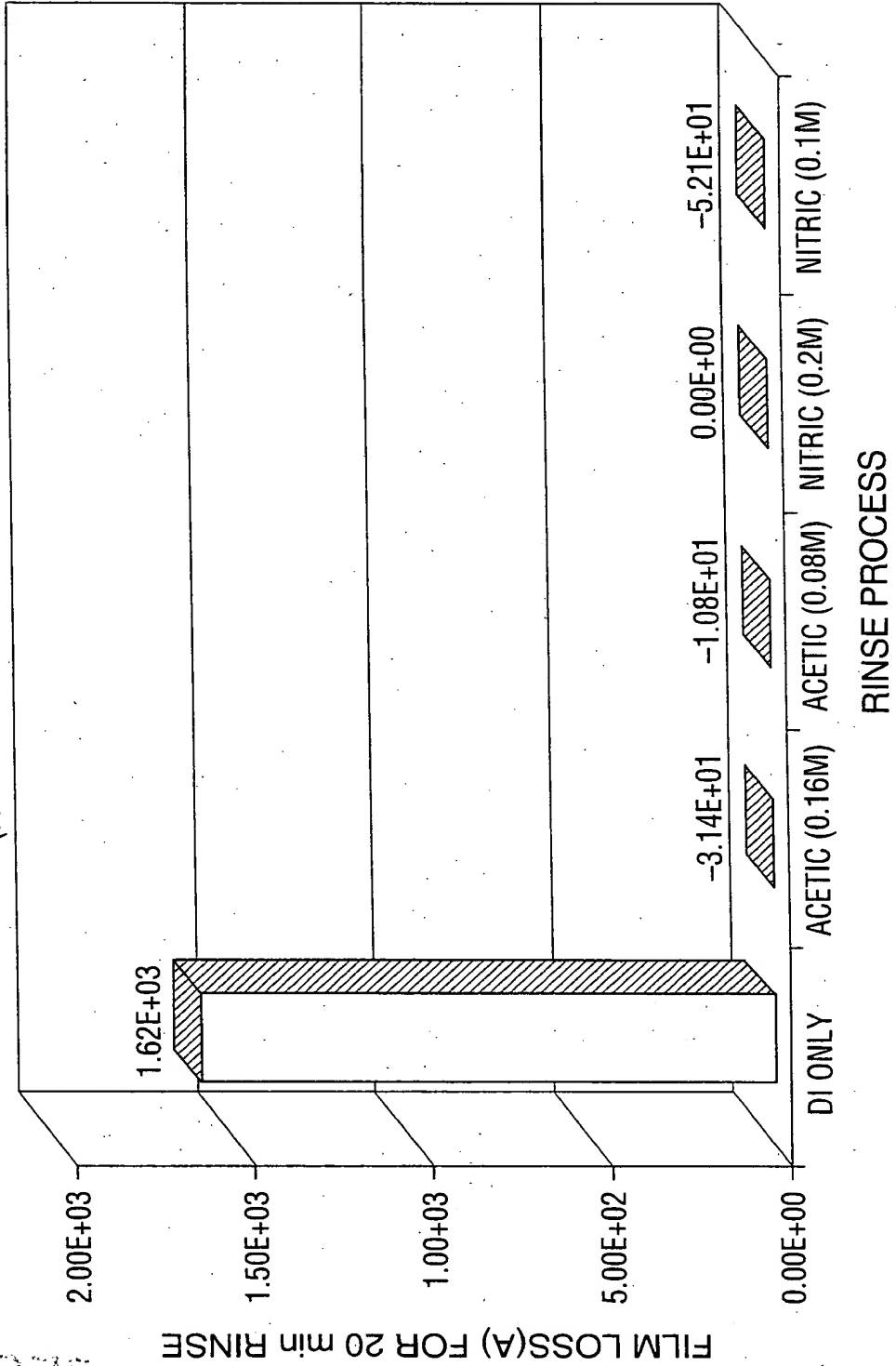


FIG. 8



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ELECTRICAL DEVICE CHARACTERIZATION
(SERPENTINE SHEET RESISTANCES FOR DIFFERENT RINSE CONDITIONS)

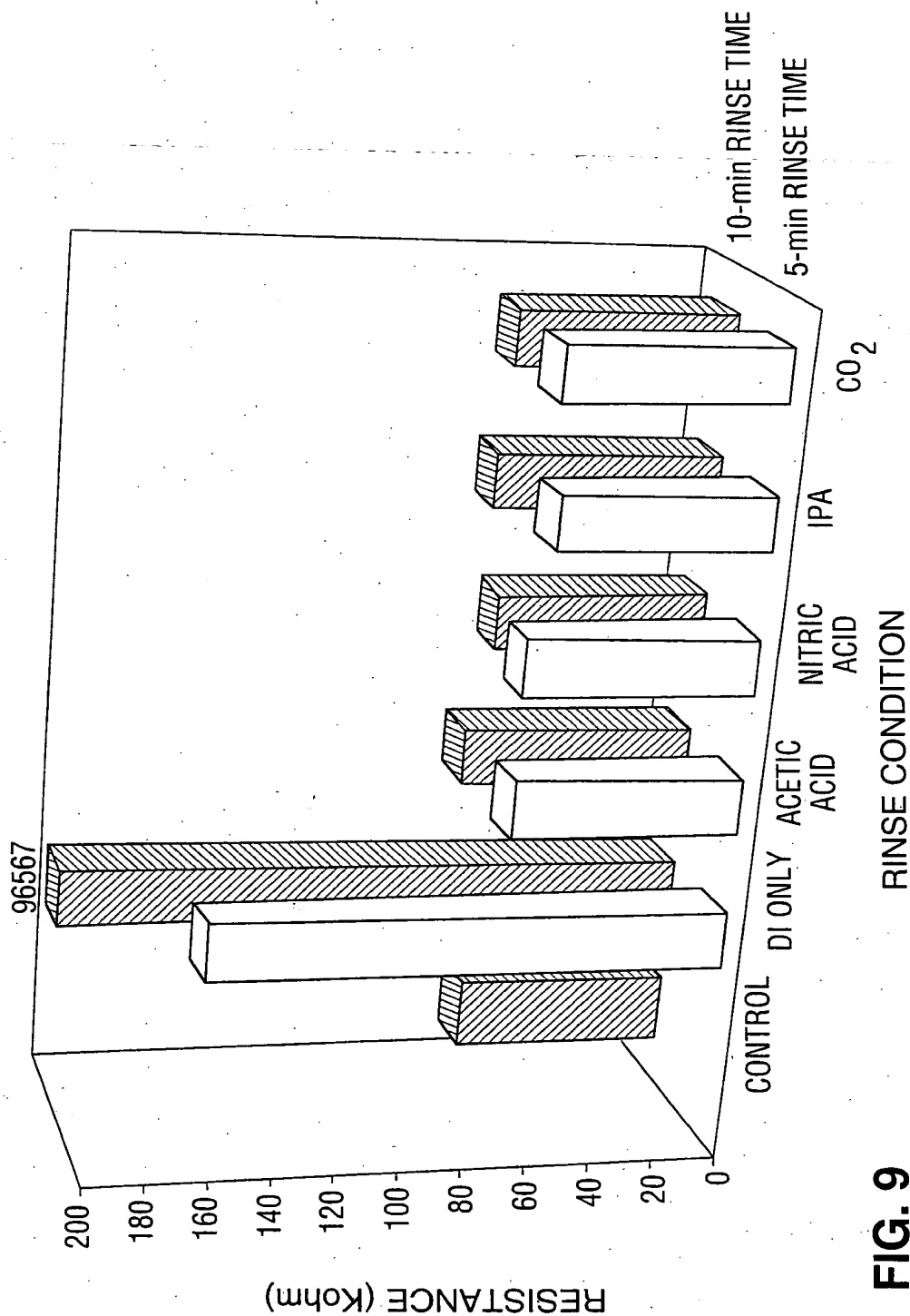
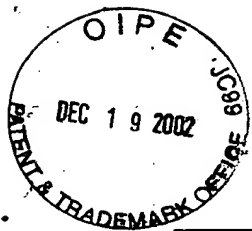
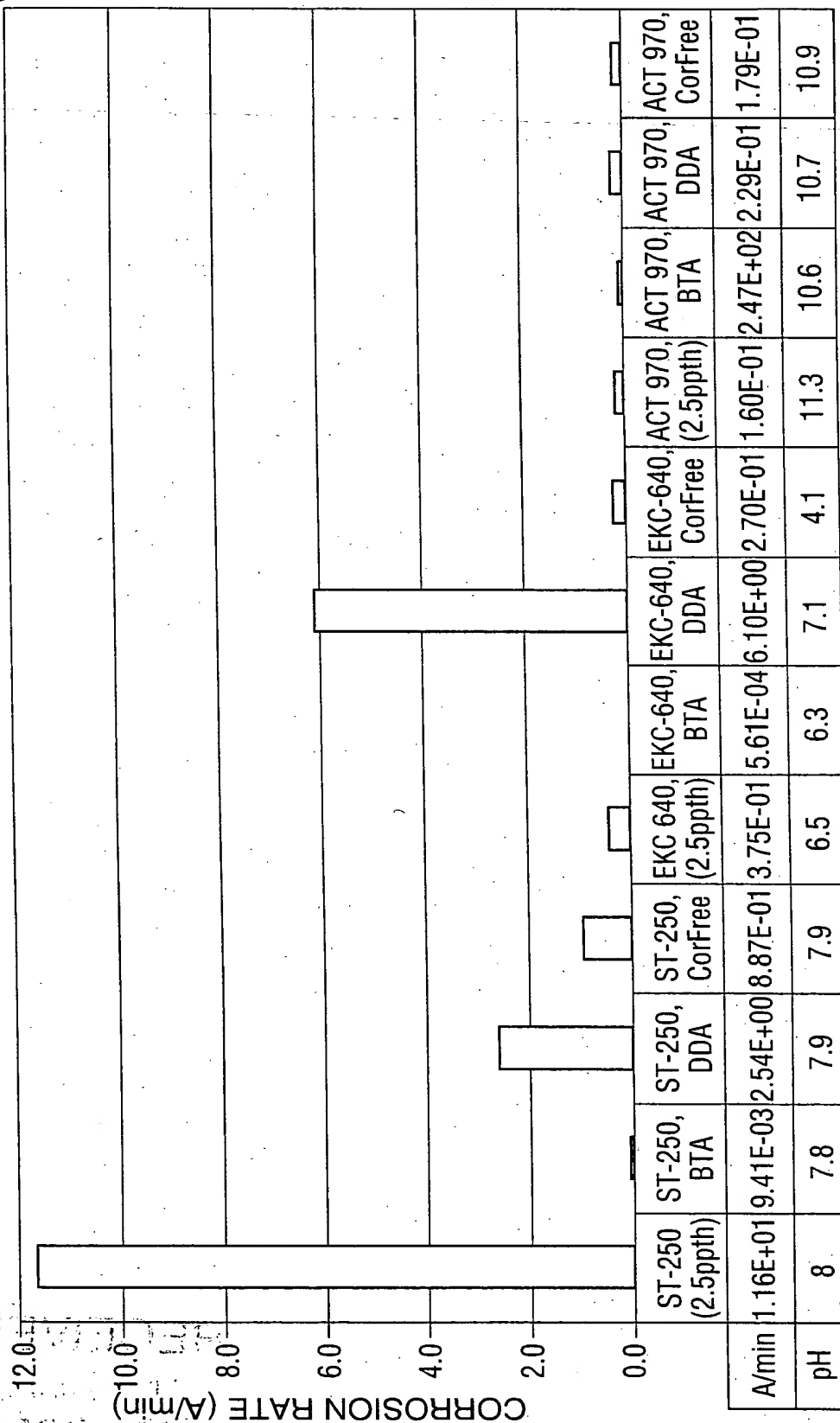


FIG. 9



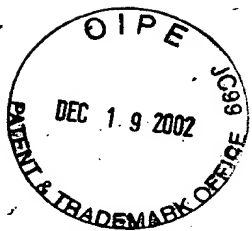
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SAMPLE CONDITIONS

FIG. 10

BTA-BENZOTRIAZOLE
DDA-DODECANEDIOIC ACID
CorFree-DUPONT PROPRIETARY PRODUCT
 CONTAINING A MIXTURE OF UNDECANEDIOIC,
 DODECANEDIOIC AND SEBACIC ACIDS



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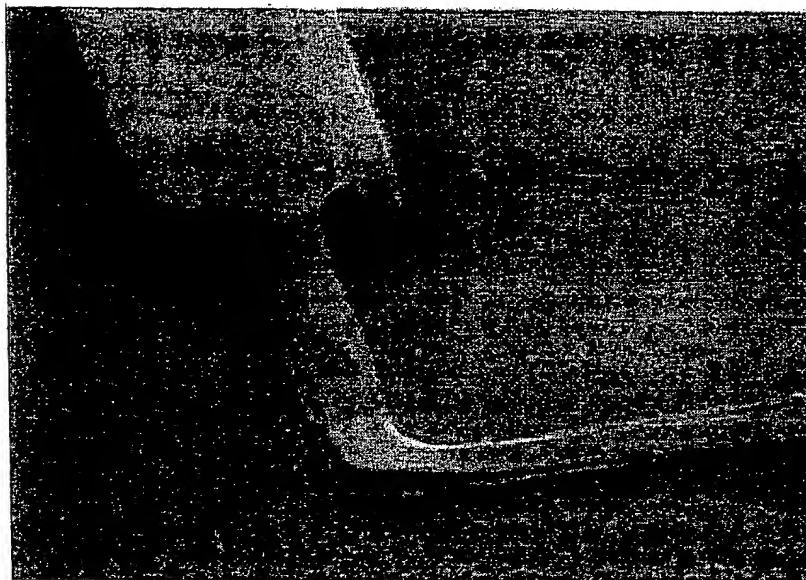


FIG. 11

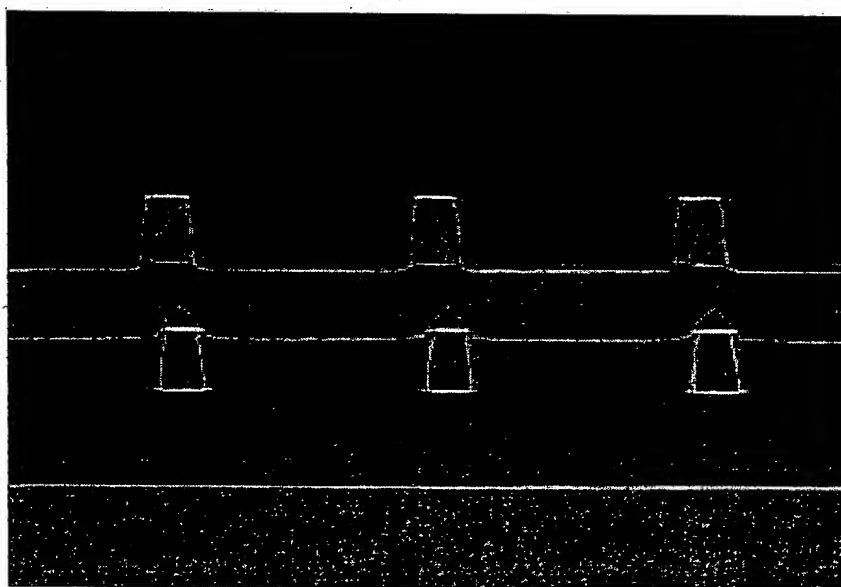


FIG. 16



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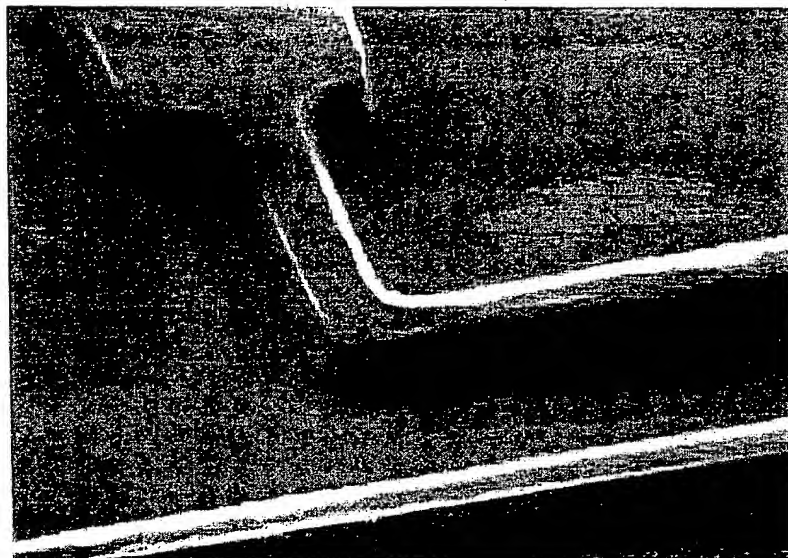


FIG. 12

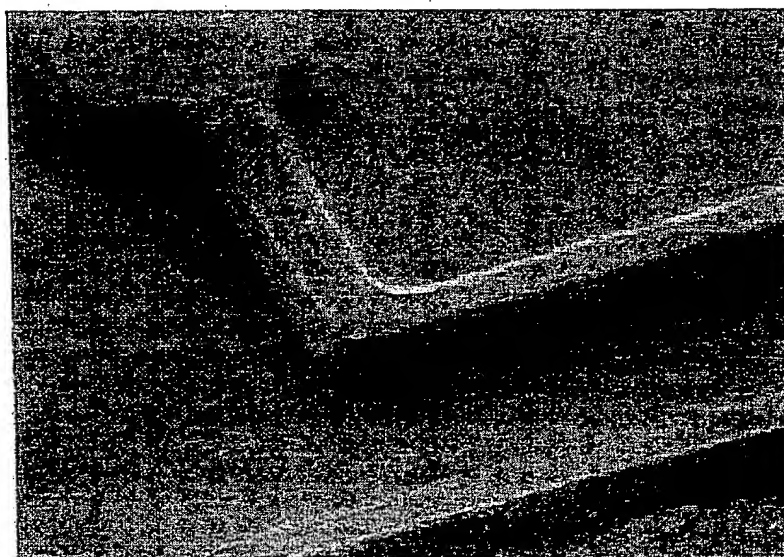


FIG. 13

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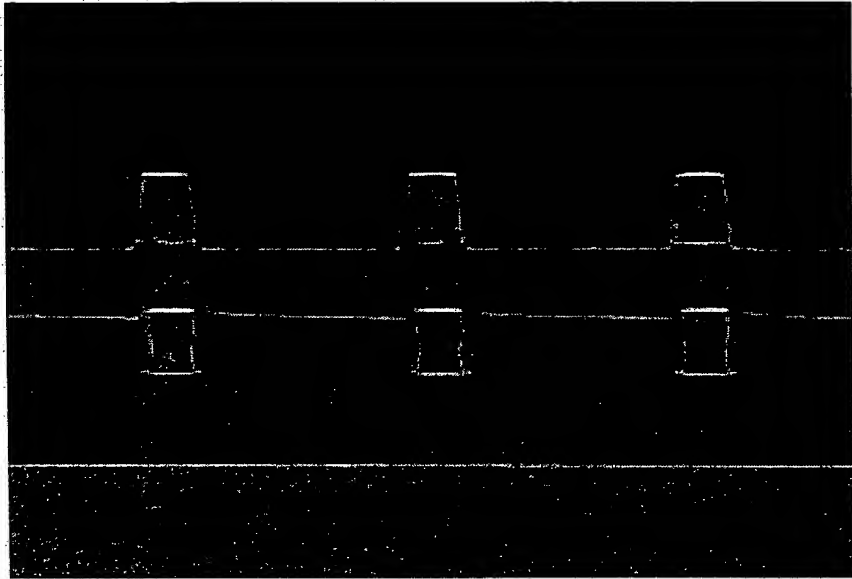


FIG. 14

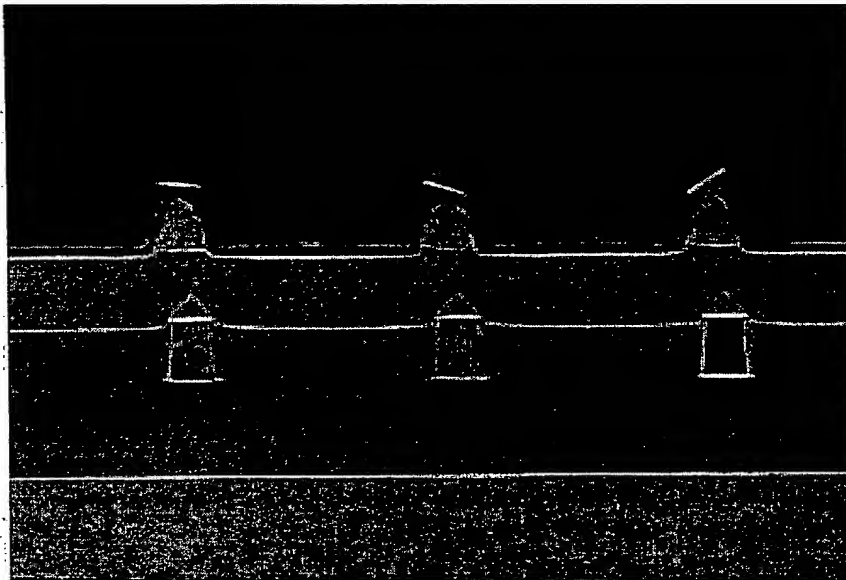


FIG. 15